					DEPARTMENT	T OF NA	F UTAH TURAL RES GAS AND M		≣S			AMENDED RE	FORM 3	3 1	
		APPL	ICATION FOR	PERMI	T TO DRILL					1. WELL	NAME and NUI	MBER (innon 4-15-3-	3WH		
2. TYPE OF		ORILL NEW WELL (REENTER P&	ΔWELL		N WELL [3			3. FIELD	OR WILDCAT	WILDCAT			
4. TYPE OF		Oil W		,	ane Well: NO	· WELL	×			5. UNIT c	or COMMUNITI	IZATION AGRE	EMENT	NAME	E
6. NAME O	FOPERATOR		EWFIELD PRODUC							7. OPERATOR PHONE 435 646-4825					
8. ADDRES	S OF OPERATOR		tt 3 Box 3630 , M							9. OPER	ATOR E-MAIL	ozier@newfield			
	L LEASE NUMBE	R TE)	·		IERAL OWNERS	SHIP DIAN (STATE () F	EE (III)	12. SURF	ACE OWNERS	400	ATE (FF	:E((((((())))
13. NAME OF SURFACE OWNER (if box 12 = 'fee')								PHONE (if box	12 = 'fe						
Charles R. McKinnon and Loraine McKinnon, Trustees 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 435-646-3240,						16. SURF	ACE OWNER	E-MAIL (if box		ee')					
17. INDIAN	ALLOTTEE OR T	RIBE NAME	435-646-	18. INT	END TO COMM		PRODUCTION	N FROM	1	19. SLAN	IT				
(if box 12	= 'INDIAN')			YES (PLE FORMATIO		ling Applicati	ion) N	10 📵	VERTIC	AL DIRE	ECTIONAL 🔵	HORIZ	ZONT	AL 📵
20. LOCA	TION OF WELL		FC	OTAGES	s	QT	R-QTR	S	ECTION	то	WNSHIP	RANGE		MEF	RIDIAN
LOCATION	N AT SURFACE		530 FN	NL 882 F	FWL	N	IWNW	7	15		3.0 S	3.0 W			U
Top of Up	permost Produc	ing Zone	660 FN	NL 660 F	FWL		IWNW		15	-	3.0 S	3.0 W	_		U
At Total C			660 FS	SL 660 F			SWSW		15		3.0 S	3.0 W			U
21. COUNT		JCHESNE			TANCE TO NEA	5	30	·		23. NUME	BER OF ACRE	S IN DRILLING 40	UNIT		
					TANCE TO NEA		oleted)	POOL		26. PROF	POSED DEPTH MD:	13398 TVD:	8851		
27. ELEVATION - GROUND LEVEL 28. BOND NUMBER															
27. ELEVA	TION - GROUND			28. BOI	ND NUMBER	B001	1834				RCE OF DRILL RIGHTS APPRO	ING WATER / OVAL NUMBER 437478	IF APPLI	ICABL	.E
27. ELEVA	TION - GROUND	5339				B001		ormati				VAL NUMBER	IF APPLI	ICABL	E
27. ELEVA	TION - GROUND		Length		ND NUMBER Hole, Casing Weight	g, and C				WATER F		VAL NUMBER 437478	IF APPLI		.E Weight
		5339	Length 0 - 60	1	Hole, Casing	g, and C Grac	ement Info		on	WATER F	RIGHTS APPRO	VAL NUMBER 437478		ld	
String	Hole Size	5339 Casing Size		1	Hole, Casing Weight	g, and C Grad	ement Info		on Max Mud	WATER F	Cement	VAL NUMBER 437478 : Sacks 35	Yiel	1 d 7	Weight
String Cond Surf	Hole Size 17.5 12.25	Casing Size	0 - 60 0 - 250	000	Hole, Casing Weight 37.0 36.0	g, and C Grac	ement Info de & Threa H-40 ST&C J-55 LT&C	d	on Max Mud 0.0 8.3	WATER F	Cement Class G Type III	Sacks	Yiel 1.1 3.3 1.9	7 33 9	Weight 15.8 11.0 13.0
String Cond	Hole Size	Casing Size	0 - 60	000	Hole, Casing Weight 37.0	g, and C Grac	ement Info de & Threa H-40 ST&C	d	on Max Mud 0.0	WATER F	Cement Class G Type III 35/65 Pc	*** Sacks 35 216 95 273	Yiel 1.1 3.3 1.9 2.5	7 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Weight 15.8 11.0 13.0 11.5
String Cond Surf	Hole Size 17.5 12.25	Casing Size	0 - 60 0 - 250	000	Hole, Casing Weight 37.0 36.0	g, and C Grac H	ement Info de & Threa H-40 ST&C J-55 LT&C	d	on Max Mud 0.0 8.3	WATER F	Cement Class G Type III	**************************************	Yiel 1.1 3.3 1.9	7 3 9 9	Weight 15.8 11.0 13.0
String Cond Surf	Hole Size 17.5 12.25 8.75	5339 Casing Size 14 9.625	0 - 60 0 - 250 0 - 940	000	Hole, Casing Weight 37.0 36.0 26.0	g, and C Grac H	ement Info de & Threa I-40 ST&C J-55 LT&C	d	on Max Mud 0.0 8.3	WATER F	Cement Class G Type III Type III 35/65 Pc	**************************************	Yiel 1.1 3.3 1.9 2.5 1.6	7 3 9 9	Weight 15.8 11.0 13.0 11.5 13.0
String Cond Surf	Hole Size 17.5 12.25 8.75 6.125	5339 Casing Size 14 9.625	0 - 60 0 - 250 0 - 940 8478 - 13	000	Hole, Casing Weight 37.0 36.0 26.0	J, and C Grace H	de & Threa de & Threa de -40 ST&C J-55 LT&C -110 Other -110 Other	d	on Max Mud 0.0 8.3 11.5	WATER F	Cement Class G Type III Type III 35/65 Pc 50/50 Pc	Sacks 35 216 95 273 300 d 0	Yiel 1.1 3.3 1.9 2.5 1.6 0.0	7 3 9 9	Weight 15.8 11.0 13.0 11.5 13.0
String Cond Surf	Hole Size 17.5 12.25 8.75 6.125	5339 Casing Size 14 9.625 7 4.5	0 - 60 0 - 250 0 - 940 8478 - 13	000 04 04 04 04 04	Hole, Casing Weight 37.0 36.0 26.0 13.5	J, and C Grace H	Gement Info de & Threa H-40 ST&C J-55 LT&C -110 Other -110 Other	d AH OIL	on Max Mud 0.0 8.3 11.5	WATER F	Cement Class G Type III Type III 35/65 Pc 50/50 Pc	Sacks 35 216 95 273 300 d 0	Yiel 1.1 3.3 1.9 2.5 1.6 0.0	7 3 9 9	Weight 15.8 11.0 13.0 11.5 13.0
String Cond Surf I1 Prod	Hole Size 17.5 12.25 8.75 6.125 VERIF	Casing Size 14 9.625 7 4.5	0 - 60 0 - 250 0 - 940 8478 - 13	000 000 04 CHED IN	Hole, Casing Weight 37.0 36.0 26.0 13.5 A N ACCORDAN	J, and C Grace H	de & Threa d-40 ST&C J-55 LT&C -110 Other -110 Other IMENTS TH THE UT/	AH OIL	on Max Mud 0.0 8.3 11.5 11.5	WATER F	Cement Class G Type III Type III 35/65 Pc 50/50 Pc	Sacks 35 216 95 273 300 9 0	Yiel 1.1 3.3 1.9 2.5 1.6 0.0	7 3 9 9	Weight 15.8 11.0 13.0 11.5 13.0
String Cond Surf I1 Prod WE	Hole Size 17.5 12.25 8.75 6.125 VERIF LL PLAT OR MAP	Casing Size 14 9.625 7 4.5 Y THE FOLLOWIN	0 - 60 0 - 250 0 - 940 8478 - 13	OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Hole, Casing Weight 37.0 36.0 26.0 13.5 AN ACCORDAN IGINEER E SURFACE)	PATTACH	FORM	AH OIL	on Max Mud 0.0 8.3 11.5 11.5	WATER F	Cement Class G Type III 35/65 Pc 50/50 Pc No Usec	Sacks 35 216 95 273 300 9 0	Yiel 1.1 3.3 1.9 2.5 1.6 0.0	7 3 9 9	Weight 15.8 11.0 13.0 11.5 13.0
String Cond Surf I1 Prod WE	Hole Size 17.5 12.25 8.75 6.125 VERIF LL PLAT OR MAP IDAVIT OF STATL	Casing Size 14 9.625 7 4.5 Y THE FOLLOWIN PREPARED BY LICE	0 - 60 0 - 250 0 - 940 8478 - 13	OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Hole, Casing Weight 37.0 36.0 26.0 13.5 AN ACCORDAN IGINEER E SURFACE)	PATTACH	THE UTA FORM TOPC TOPC THE ATTOPC TOPC THE ATTOPC TOPC TOPC	AH OIL	ON Max Mud 0.0 8.3 11.5 11.5 AND GAS DRILLING PL DPERATOR IS	CONSE	Cement Class G Type III 35/65 Pc 50/50 Pc No Usec	Sacks 35 216 95 273 300 d 0	Yiel 1.1 3.3 1.9 2.5 1.6 0.0	7 3 9 9	Weight 15.8 11.0 13.0 11.5 13.0
String Cond Surf I1 Prod WE AFF	Hole Size 17.5 12.25 8.75 6.125 VERIF LL PLAT OR MAP IDAVIT OF STATL ECTIONAL SURV	Casing Size 14 9.625 7 4.5 Y THE FOLLOWIN PREPARED BY LICE	0 - 60 0 - 250 0 - 940 8478 - 13	OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Hole, Casing Weight 37.0 36.0 26.0 13.5 AN ACCORDAN IGINEER E SURFACE)	PATTACH	THE UTA FORM TOPC TOPC THE ATTOPC TOPC THE ATTOPC TOPC TOPC	AH OIL	ON Max Mud 0.0 8.3 11.5 11.5 AND GAS DRILLING PL DPERATOR IS	CONSE	Cement Class G Type III 35/65 Pc 50/50 Pc No Usec	Sacks 35 216 95 273 300 10 0	Yiel 1.1 3.3 1.9 2.5 1.6 0.0	7 3 9 9	Weight 15.8 11.0 13.0 11.5 13.0
String Cond Surf I1 Prod WE AFF NAME DOI SIGNATUF	Hole Size 17.5 12.25 8.75 6.125 VERIF LL PLAT OR MAP IDAVIT OF STATL ECTIONAL SURV	Casing Size 14 9.625 7 4.5 Y THE FOLLOWIN PREPARED BY LICE IS OF SURFACE OW EY PLAN (IF DIRECT	0 - 60 0 - 250 0 - 940 8478 - 13	OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Hole, Casing Weight 37.0 36.0 26.0 13.5 AN ACCORDAN IGINEER E SURFACE) TALLY DRILLED	PATTACH	THE UTA FORM TOPC TOPC THE ATTOPC TOPC THE ATTOPC TOPC TOPC	AH OIL	ON Max Mud 0.0 8.3 11.5 11.5 AND GAS DRILLING PL DPERATOR IS	CONSE	Cement Class G Type III 35/65 Pc 50/50 Pc No Usec	Sacks 35 216 95 273 300 10 0	Yiel 1.1 3.3 1.9 2.5 1.6 0.0	7 3 9 9	Weight 15.8 11.0 13.0 11.5 13.0

Newfield Production Company 4-15-3-3WH

Surface Hole Location: 530' FNL, 882' FWL, Section 15, T3S, R3W Bottom Hole Location: 660' FSL, 660' FWL, Section 15, T3S, R3W Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta surface
Green River 3,871'
Garden Gulch member 6,597'
Uteland Butte 8,958'

Lateral TD 8,851' TVD / 13,398' MD

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline 666' (water)
Green River 6,597' - 8,851' (oil)

3. Pressure Control

Section BOP Description

Surface 12-1/4" diverter

Interm/Prod The BOP and related equipment shall meet the minimum requirements of Onshore

Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc

for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

4. Casing

Donatation	Interval		Weight	Grade	Coup	Pore	MW @	Frac Grad	Safety Factors		
Description	Тор	Bottom (TVD/MD)	(ppf)	Graue	Coup	Press @ Shoe	Shoe	@ Shoe	Burst	Collapse	Tension
Conductor	0'	60'	37	H-40	Weld						
14	U	00	37	H-40	Weid						
Surface	0'	2.500!	26	1.55	LTC	0.22	0.22	10	3,520	2,020	453,000
9 5/8	U	2,500'	36	J-55	LIC	8.33	8.33	12	2.51	2.54	5.03
Intermediate	01	9,024'	26	D 110	DTC	1.1	11.5	1.5	9,960	6,210	830,000
7	0'	9,404'	26	P-110	BTC	11	11.5	15	2.34	1.38	3.39
Production	0.4701	8,851'	10.5	D 110	DEC	4.1	11.5		12,410	10,670	422,000
4 1/2	8,478'	13,398'	13.5	P-110	BTC	11	11.5		2.97	2.42	6.35

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient) All collapse calculations assume fully evacuated casing with a gas gradient All tension calculations assume air weight of casing Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Shuur Description	ft ³	OH excess	Weight	Yield
300	Hole Size	FIII	Slurry Description	sacks	OH excess	(ppg)	(ft ³ /sk)
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41 35	15%	15.8	1.17
Surface Lead	12 1/4	2,000'	Type III + .125 lbs/sk Cello Flakes	720 216	15%	11.0	3.33
Surface Tail	12 1/4	500'	Type III + .125 lbs/sk Cello Flakes	180 95	15%	13.0	1.9
Intermediate Lead	8 3/4	4,097'	Premium - 65% Class G / 35% Poz + 10% Bentonite	708 273	15%	11.5	2.59
Intermediate Tail	8 3/4	2,807'	50/50 Poz/Class G + 1% bentonite	485 300	15%	13.0	1.62
Production	6 1/8	-1	Liner will not be cemented. It will be isolated with a liner top packer.				

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate casing string will be calculated from an open hole caliper log, plus 15% excess.

The cement slurries will be adjusted for hole conditions and blend test results.

The production liner will be left uncemented. Individual frac stages will be isolated with open hole packers. A liner top hanger and packer will be installed 50' above KOP.

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u> <u>Description</u>

Surface - 2,500'

An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

2,500' - TD

A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and

if conditions warrant, with barite.

Anticipated maximum mud weight is 11.5 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run in the intermediate section from

the top of the curve to the base of the surface casing. A compensated neutron/formation density log will be run in the intermediate section from the top of the curve to the top of the Garden Gulch formation. A cement bond log will be run from the top of the curve to

the cement top behind the intermediate casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.57 psi/ft gradient.

$$8,851' \text{ x} \quad 0.57 \quad \text{psi/ft} = 5063 \quad \text{psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

An 8-3/4" vertical hole will be drilled to a kick off point of 8,528'.

Directional tools will then be used to build to 92.60 degrees inclination.

The 7" intermediate casing string will be set once the well is landed horizontally in the target zone.

The lateral will be drilled to the bottomhole location shown on the plat.

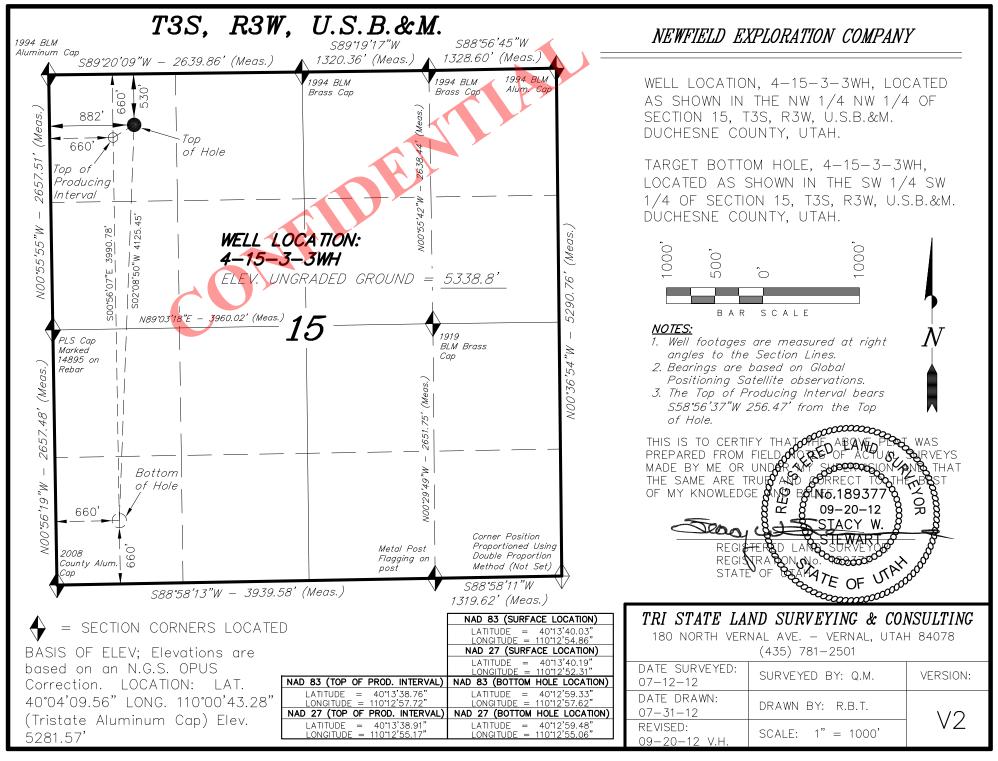
A liner with a system of open hole packers will be used to provide multi-stage frac isolation in the lateral. The top of the liner will be place 50' above KOP and will be isolated with a liner top packer.

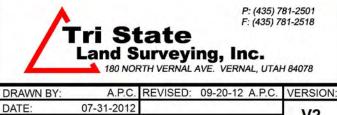
Newfield requests the following variances from Onshore Order #2:

- Variance from Onshoer Order #2, III.E.1

Refer to Newfield Production Company Standard Operating Practices "Ute Tribal

Green River Development Program" paragraph 9.0





1:100,000

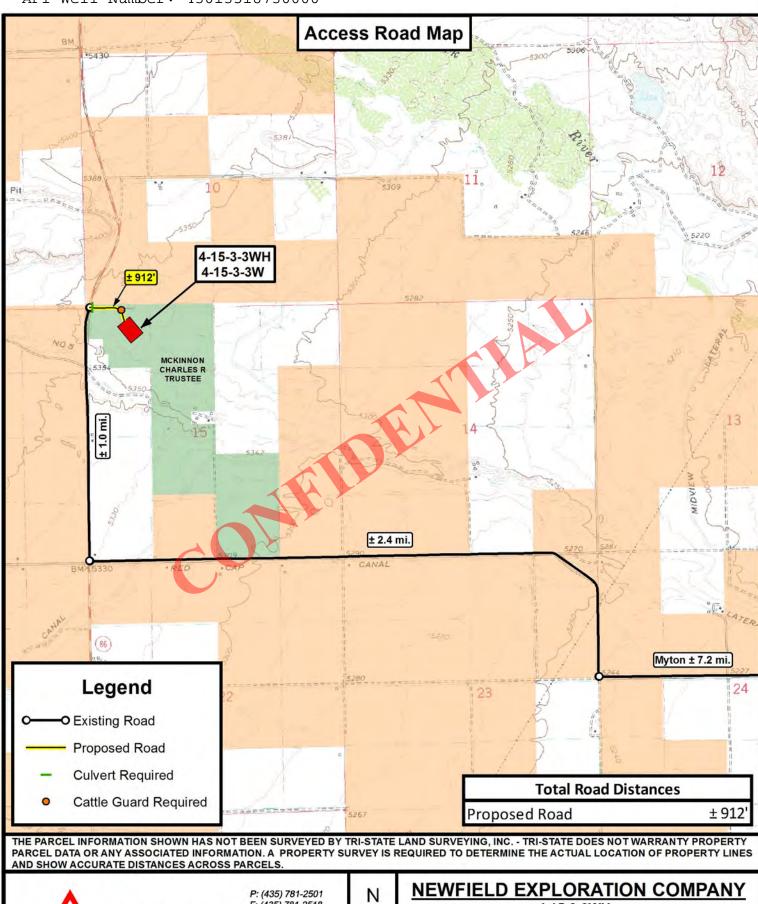
SCALE

V2

4-15-3-3W SEC. 15, T3S, R3W, U.S.B.&M. **Duchesne County, UT.**

TOPOGRAPHIC MAP

SHEET





F: (435) 781-2518

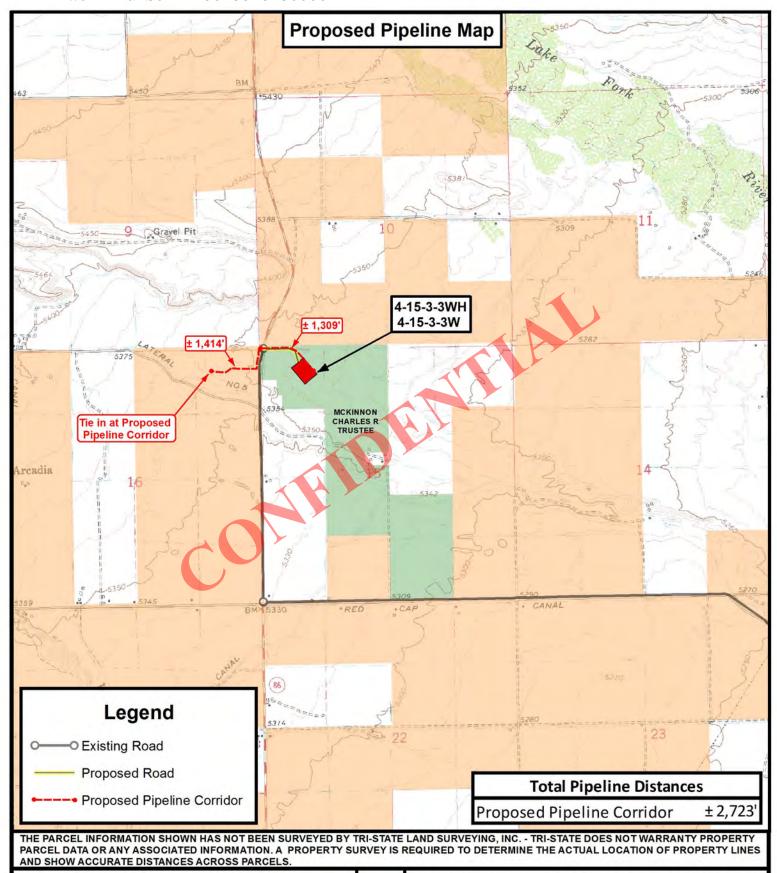
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

DRAWN BY:	A.P.C.	REVISED:	09-20-12 A.P	.C. VERSION:
DATE:	07-31-2012			1/2
SCALE:	1 " = 2,000 '	4		

4-15-3-3WH 4-15-3-3W SEC. 15, T3S, R3W, U.S.B.&M. **Duchesne County, UT.**

TOPOGRAPHIC MAP







P: (435) 781-2501 F: (435) 781-2518 N

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

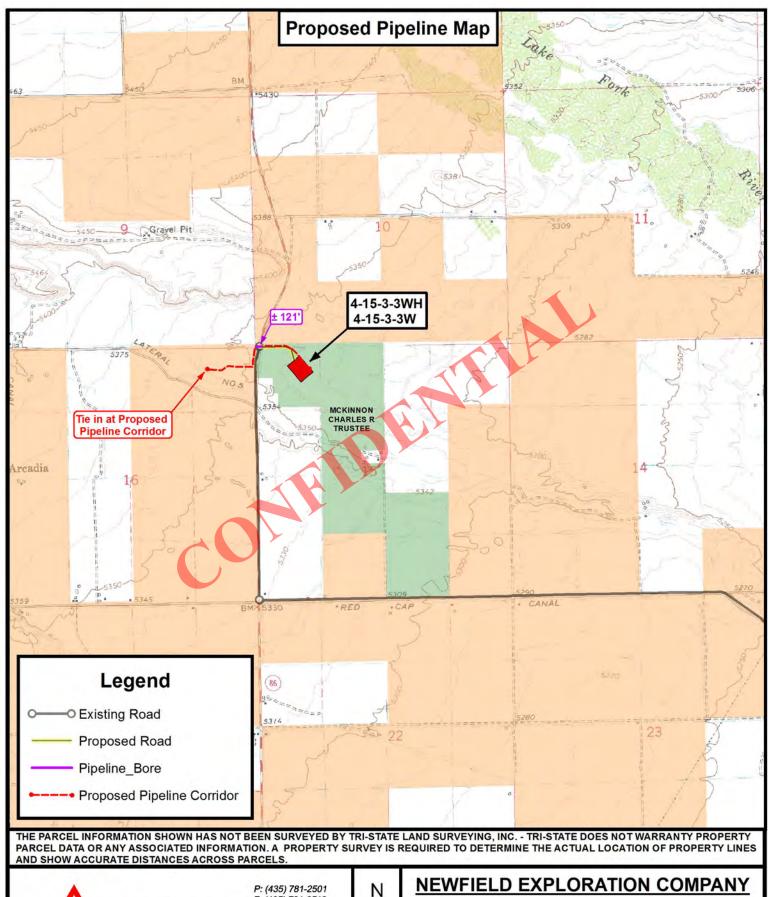
DRAWN BY:	A.P.C.	REVISED:	09-20-12	A.P.C.	VERSION:
DATE:	07-31-2012		77.1		V2
SCALE:	1 " = 2,000 '				٧Z

NEWFIELD EXPLORATION COMPANY

4-15-3-3WH 4-15-3-3W SEC. 15, T3S, R3W, U.S.B.&M. **Duchesne County, UT.**

TOPOGRAPHIC MAP

SHEET





P: (435) 781-2501 F: (435) 781-2518

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

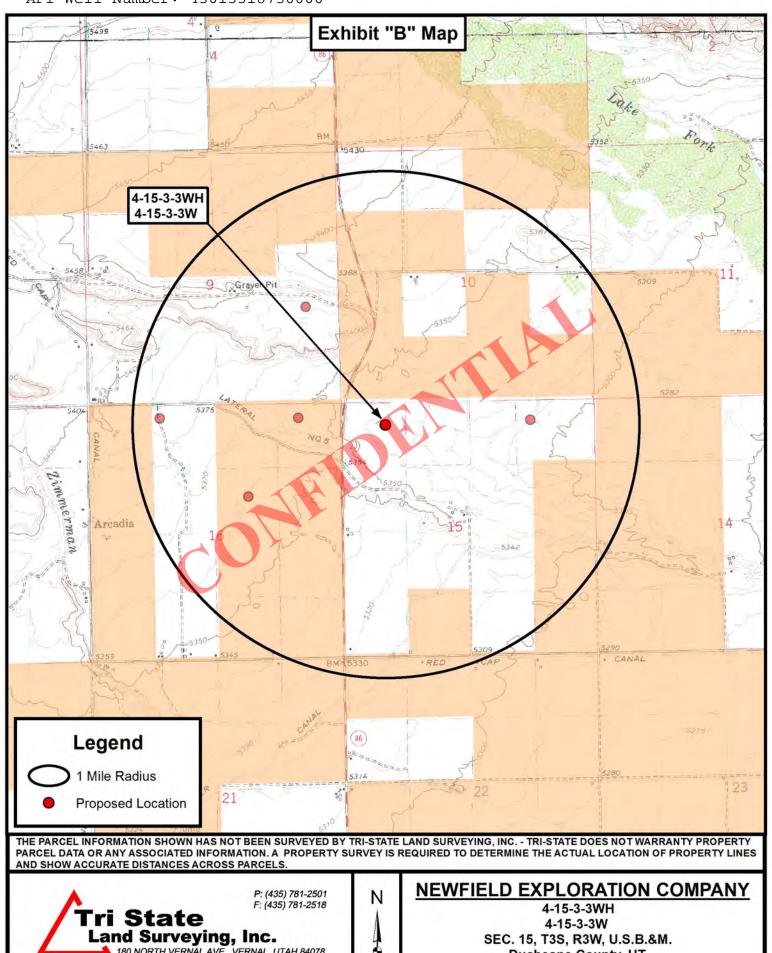
DRAWN BY:	A.P.C.	REVISED:	09-20-12 A	A.P.C.	VERSION:
DATE:	07-31-2012				1/2
SCALE:	1 " = 2,000 '				V2

NEWFIELD EXPLORATION COMPANY

4-15-3-3WH 4-15-3-3W SEC. 15, T3S, R3W, U.S.B.&M. **Duchesne County, UT.**

TOPOGRAPHIC MAP

SHEET



180 NORTH VERNAL AVE. VERNAL, UTAH 84078 DRAWN BY: A.P.C. REVISED: 09-20-12 A.P.C. **VERSION** DATE 07-31-2012 V2

1 " = 2,000

SCALE

Duchesne County, UT.

TOPOGRAPHIC MAP



Newfield Exploration Company

Duchesne County, UT Sec. 15-T3S-R3W 4-15-3-3WH

Plan A Rev 0 Permit

Plan: Plan A Rev 0 Proposed Permit ONLY

Sperry Drilling Services Proposal Report

02 November, 2012

 $Well \ Coordinates: \ 7,254,273.49 \ N, \ 1,999,120.12 \ E \ \ (40^{\circ} \ 13' \ 40.03" \ N, \ 110^{\circ} \ 12' \ 54.86" \ W)$

Ground Level: 5,338.79 ft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Centered on Well 4-15-3-3WH

WELL @ 5356.79ft (Original Well Elev)

T North Reference:

True

Unit System:

API - US Survey Feet - Custom

Geodetic Scale Factor Applied Version: 2003.16 Build: 43I

HALLIBURTON

API Well Number: 43013518730000 Project: Duchesne County, UT **Newfield Exploration Company** Site: Sec. 15-T3S-R3W **HALLIBURTON** Well: 4-15-3-3WH Sperry Drilling Wellbore: Plan A Rev 0 Permit Design: Plan A Rev 0 Proposed Permit ONLY SECTION DETAILS West(-)/East(+) (1200 ft/in) TFace 0.00 0.00 VSect Target 0.0 0.0 +E/-W 0.0 Dleg 0.00 MD +N/-S Inc 0.0 0.00 0.00 0.0 0.0 0.00 0.0 3000.0 0.00 0.00 3000.0 0.0 3400.0 6.00 333.62 3399.3 -9.3 333.62 -18.2 18.7 7800.0 6.00 333.62 7775.2 430.8 -213.7 0.00 0.00 -419.1 8200.0 0.00 8174.4 449.5 -222.9 0.00 Kickoff at 8528.2 ft -222.9 -222.0 8528.2 0.00 0.00 8502.6 449.5 0.00 9343.0 89.63 179.89 9023.5 -68.0 11.00 Section Line -221.8 -221.5 9403.5 179.89 9023.9 -128.5 139.9 4-15-3-3WH CP_Tgt -500 9553.5 89.63 179.89 9024.8 -278.5 0.00 0.00 289.6 SHL: 530' FNL, 882' FWL -221.4 9653.5 92.63 179.89 9022.8 -378.5 3.00 -0.01 389.5 13397.6 92.63 179.89 -214.1 4-15-3-3WH BHL_Tgt 4-15-3-3WH SL_Tgt 660' Setback Line End Build at 9343.0 ft WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG) 7" Casing at 9403.5 MD & 9023.9 TVD Longitude Casing: 660' FNL 660' FWL -500 4-15-3-3WH Section Lines 2211106.98 609333.03 40° 13' 40.030 N 110° 12' 54.860 W 4-15-3-3WH Setback Lines 0.0 0.0 2211106.98 609333.03 40° 13' 40.030 N 110° 12' 54.860 W 4-15-3-3WH CP_Tgt 4-15-3-3WH SL_Tgt 0.0 0.0 609333.03 40° 13' 40.030 N 110° 12' 54.860 W 4-15-3-3WH BHL_Tgt 8851.0 -4118.6 2209850.92 609285.81 40° 12' 59.330 N 110° 12' 57.620 W 4-15-3-3WH CP_Tgt 9024.0 -128.5 2211066.85 609265.99 40° 13' 38.760 N 110° 12' 57.720 W Point -1000 8400-South(-)/North(+) (1200 f -2000 -2500 Kickoff at 8528.2 ft True Vertical Depth (300 ft/in) 8600 Sec. 15 End Build at 9343.0 ft 8800 4-15-3-3WH CP Tgt Total Depth 13397.6 ft --3500 BHL: 660' FSL, 660' FWL 9000 4-15-3-3WH BHL_Tgt --4000 Uteland Butte C landing target 7" Casing at 9403.5 MD & 9023.9 TVD -400 -200 200 600 800 -4500 Vertical Section at 182.98° (300 ft/in) Section Line -5000 True Vertical Depth (1000 ft/in) Kickoff at 8528.2 ft Total Depth 13397.6 ft 4-15-3-3WH BHL Tgt End Build at 9343.0 ft WELL DETAILS: 4-15-3-3WH Ground Level: 5338.8 Northing 2211106.98 Easting Latittude Longitude 609333.03 40° 13' 40.030 N 110° 12' 54.860 W 4-15-3-3WH CP_Tgt 9000-Plan A Rev 0 Proposed Permit ONLY (4-15-3-3WH/Plan A Rev 0 Permit) Date: 11/1/2012 Created By: Lacy Taylor -500 500 1000 1500 2500 3000 3500 4000 4500 5000 5500 6000 Vertical Section at 182.98° (1000 ft/in) Date: 7" Casing at 9403.5 MD & 9023.9 TVD RECEIVED: November

HALLIBURTON

Plan Report for 4-15-3-3WH - Plan A Rev 0 Proposed Permit ONLY

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.000	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.000	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.000	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.000	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.000	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.000	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.000	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.000	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.000	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.000	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.000	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.000	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.000	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.000	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.000	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,999.99	0.00	0.000	2,999.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	1.50	333.620	3,099.99	1.17	-0.58	-1.14	1.50	1.50	0.00	333.62
3,200.00	3.00	333.620	3,199.91	4.69	-2.33	-4.56	1.50	1.50	0.00	0.00
3,300.00	4.50	333.620	3,299.69	10.55	-5.23	-10.26	1.50	1.50	0.00	0.00
3,399.99	6.00	333.620	3,399.26	18.75	-9.30	-18.24	1.50	1.50	0.00	0.00
3,500.00	6.00	333.620	3,498.72	28.11	-13.94	-27.35	0.00	0.00	0.00	0.00
3,600.00	6.00	333.620	3,598.17	37.48	-18.59	-36.46	0.00	0.00	0.00	0.00
3,700.00	6.00	333.620	3,697.63	46.84	-23.23	-45.57	0.00	0.00	0.00	0.00
3,800.00	6.00	333.620	3,797.08	56.20	-27.88	-54.68	0.00	0.00	0.00	0.00
3,900.00	6.00	333.620	3,896.53	65.57	-32.52	-63.79	0.00	0.00	0.00	0.00
4,000.00	6.00	333.620	3,995.98	74.93	-37.16	-72.90	0.00	0.00	0.00	0.00
4,100.00	6.00	333.620	4,095.43	84.30	-41.81	-82.01	0.00	0.00	0.00	0.00
4,200.00	6.00	333.620	4,194.89	93.66	-46.45	-91.12	0.00	0.00	0.00	0.00
4,300.00	6.00	333.620	4,294.34	103.03	-51.10	-100.23	0.00	0.00	0.00	0.00
4,400.00	6.00	333.620	4,393.79	112.39	-55.74	-109.34	0.00	0.00	0.00	0.00
4,500.00	6.00	333.620	4,493.24	121.75	-60.39	-118.46	0.00	0.00	0.00	0.00
4,600.00	6.00	333.620	4,592.70	131.12	-65.03	-127.57	0.00	0.00	0.00	0.00
4,700.00	6.00	333.620	4,692.15	140.48	-69.68	-136.68	0.00	0.00	0.00	0.00
4,800.00	6.00	333.620	4,791.60	149.85	-74.32	-145.79	0.00	0.00	0.00	0.00
4,900.00	6.00	333.620	4,891.05	159.21	-78.96	-154.90	0.00	0.00	0.00	0.00
5,000.00	6.00	333.620	4,990.50	168.58	-83.61	-164.01	0.00	0.00	0.00	0.00
5,100.00	6.00	333.620	5,089.96	177.94	-88.25	-173.12	0.00	0.00	0.00	0.00
5,200.00	6.00	333.620	5,189.41	187.30	-92.90	-182.23	0.00	0.00	0.00	0.00
5,300.00	6.00	333.620	5,288.86	196.67	-97.54	-191.34	0.00	0.00	0.00	0.00
5,400.00	6.00	333.620	5,388.31	206.03	-102.19	-200.45	0.00	0.00	0.00	0.00
5,500.00	6.00	333.620	5,487.77	215.40	-106.83	-209.56	0.00	0.00	0.00	0.00
5,600.00	6.00	333.620	5,587.22	224.76	-111.48	-218.67	0.00	0.00	0.00	0.00
5,700.00	6.00	333.620	5,686.67	234.13	-116.12	-227.78	0.00	0.00	0.00	0.00
5,800.00	6.00	333.620	5,786.12	243.49	-120.76	-236.89	0.00	0.00	0.00	0.00

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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
5,900.00	6.00	333.620	5,885.57	252.86	-125.41	-246.00	0.00	0.00	0.00	0.00
6,000.00 6,100.00 6,200.00 6,300.00 6,400.00	6.00 6.00 6.00 6.00 6.00	333.620 333.620 333.620 333.620 333.620	5,985.03 6,084.48 6,183.93 6,283.38 6,382.83	262.22 271.58 280.95 290.31 299.68	-130.05 -134.70 -139.34 -143.99 -148.63	-255.11 -264.22 -273.34 -282.45 -291.56	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
6,500.00 6,600.00 6,700.00 6,800.00 6,900.00	6.00 6.00 6.00 6.00 6.00	333.620 333.620 333.620 333.620 333.620	6,482.29 6,581.74 6,681.19 6,780.64 6,880.10	309.04 318.41 327.77 337.13 346.50	-153.28 -157.92 -162.56 -167.21 -171.85	-300.67 -309.78 -318.89 -328.00 -337.11	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
7,000.00 7,100.00 7,200.00 7,300.00 7,400.00	6.00 6.00 6.00 6.00 6.00	333.620 333.620 333.620 333.620 333.620	6,979.55 7,079.00 7,178.45 7,277.90 7,377.36	355.86 365.23 374.59 383.96 393.32	-176.50 -181.14 -185.79 -190.43 -195.08	-346.22 -355.33 -364.44 -373.55 -382.66	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
7,500.00 7,600.00 7,700.00 7,799.98 7,900.00	6.00 6.00 6.00 6.00 4.50	333.620 333.620 333.620 333.620 333.620	7,476.81 7,576.26 7,675.71 7,775.15 7,874.74	402.69 412.05 421.41 430.78 438.97	-199.72 -204.36 -209.01 -213.65 -217.72	-391.77 -400.88 -409.99 -419.10 -427.08	0.00 0.00 0.00 0.00 1.50	0.00 0.00 0.00 0.00 -1.50	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 180.00
8,000.00 8,100.00 8,199.98 8,300.00 8,400.00	3.00 1.50 0.00 0.00 0.00	333.620 333.620 0.000 0.000 0.000	7,974.53 8,074.45 8,174.42 8,274.44 8,374.44	444.83 448.35 449.52 449.52 449.52	-220.62 -222.37 -222.95 -222.95 -222.95	-432.78 -436.20 -437.34 -437.34	1.50 1.50 1.50 0.00 0.00	-1.50 -1.50 -1.50 0.00 0.00	0.00 0.00 0.00 0.00 0.00	180.00 180.00 180.00 0.00 0.00
8,500.00 8,528.15 8,528.18 Kickoff at	0.00 0.00 0.00 8528.2 ft	0.000 0.000 179.889	8,474.44 8,502.58 8,502.62	449.52 449.52 449.52	-222.95 -222.95 -222.95	-437.34 -437.34 -437.34	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 179.89
8,550.00 8,600.00	2.40 7.90	179.889 179.889	8,524.43 8,574.21	449.06 444.57	-222.95 -222.94	-436.88 -432.40	11.02 11.00	11.02 11.00	0.00 0.00	179.89 0.00
8,650.00 8,700.00 8,750.00 8,800.00 8,850.00	13.40 18.90 24.40 29.90 35.40	179.889 179.889 179.889 179.889 179.889	8,623.33 8,671.33 8,717.79 8,762.26 8,804.34	435.33 421.43 402.99 380.18 353.21	-222.92 -222.90 -222.86 -222.82 -222.76	-423.17 -409.29 -390.87 -368.10 -341.17	11.00 11.00 11.00 11.00 11.00	11.00 11.00 11.00 11.00 11.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
8,900.00 8,950.00 9,000.00 9,050.00 9,100.00	40.90 46.40 51.90 57.40 62.90	179.889 179.889 179.889 179.889 179.889	8,843.64 8,879.81 8,912.50 8,941.41 8,966.28	322.33 287.83 250.02 209.25 165.90	-222.70 -222.64 -222.56 -222.49 -222.40	-310.34 -275.88 -238.13 -197.42 -154.13	11.00 11.00 11.00 11.00 11.00	11.00 11.00 11.00 11.00 11.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
9,150.00 9,200.00 9,250.00 9,295.93	68.40 73.90 79.40 84.46 utte C landing	179.889 179.889 179.889 179.889	8,986.89 9,003.03 9,014.57 9,021.02	120.37 73.06 24.43 -21.02	-222.31 -222.22 -222.13 -222.04	-108.66 -61.43 -12.87 32.52	11.00 11.00 11.00 11.00	11.00 11.00 11.00 11.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
9,300.00	84.90	179.889	9,021.39	-25.08	-222.03	36.57	11.00	11.00	0.00	0.00
9,342.96 9,342.98	89.63 89.63	179.889 179.889	9,023.44 9,023.44	-67.98 -68.00	-221.95 -221.95	79.41 79.43	11.00 0.00	11.00 0.00	0.00 0.00	0.00 0.00
9,403.48	at 9343.0 ft 89.63 at 9403.5 MD	179.889 & 9023.9 TV E	9,023.83) - 7 "	-128.50	-221.83	139.84	0.00	0.00	0.00	0.00
9,403.50	89.63 H CP_Tgt - 4-	179.889	9,023.83	-128.52	-221.83	139.86	0.00	0.00	0.00	0.00
9,500.00	89.63	179.889	9,024.46	-225.01	-221.65	236.22	0.00	0.00	0.00	0.00
9,553.50 9,600.00 9,653.50	89.63 91.03 92.63	179.889 179.889 179.889	9,024.80 9,024.54 9,022.83	-278.51 -325.01 -378.48	-221.54 -221.45 -221.35	289.64 336.07 389.46	0.00 3.00 3.00	0.00 3.00 3.00	0.00 0.00 0.00	0.00 -0.01 -0.01

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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
9,700.00	92.63	179.889	9,020.70	-424.93	-221.26	435.85	0.00	0.00	0.00	0.00
9,800.00	92.63	179.889	9,016.11	-524.83	-221.07	535.60	0.00	0.00	0.00	0.00
9,900.00 10,000.00 10,100.00 10,200.00 10,300.00	92.63 92.63 92.63 92.63 92.63	179.889 179.889 179.889 179.889	9,011.52 9,006.93 9,002.34 8,997.75 8,993.16	-624.72 -724.62 -824.51 -924.41 -1,024.30	-220.87 -220.68 -220.49 -220.29 -220.10	635.35 735.10 834.85 934.60 1,034.35	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
10,400.00	92.63	179.889	8,988.58	-1,124.19	-219.91	1,134.10	0.00	0.00	0.00	0.00
10,500.00	92.63	179.889	8,983.99	-1,224.09	-219.71	1,233.84	0.00	0.00	0.00	0.00
10,600.00	92.63	179.889	8,979.40	-1,323.98	-219.52	1,333.59	0.00	0.00	0.00	0.00
10,700.00	92.63	179.889	8,974.81	-1,423.88	-219.33	1,433.34	0.00	0.00	0.00	0.00
10,800.00	92.63	179.889	8,970.22	-1,523.77	-219.13	1,533.09	0.00	0.00	0.00	0.00
10,900.00	92.63	179.889	8,965.63	-1,623.67	-218.94	1,632.84	0.00	0.00	0.00	0.00
11,000.00	92.63	179.889	8,961.04	-1,723.56	-218.75	1,732.59	0.00	0.00	0.00	0.00
11,100.00	92.63	179.889	8,956.46	-1,823.46	-218.55	1,832.34	0.00	0.00	0.00	0.00
11,200.00	92.63	179.889	8,951.87	-1,923.35	-218.36	1,932.09	0.00	0.00	0.00	0.00
11,300.00	92.63	179.889	8,947.28	-2,023.24	-218.17	2,031.84	0.00	0.00	0.00	0.00
11,400.00	92.63	179.889	8,942.69	-2,123.14	-217.97	2,131.59	0.00	0.00	0.00	0.00
11,500.00	92.63	179.889	8,938.10	-2,223.03	-217.78	2,231.34	0.00	0.00	0.00	0.00
11,600.00	92.63	179.889	8,933.51	-2,322.93	-217.59	2,331.09	0.00	0.00	0.00	0.00
11,700.00	92.63	179.889	8,928.92	-2,422.82	-217.39	2,430.84	0.00	0.00	0.00	0.00
11,800.00	92.63	179.889	8,924.34	-2,522.72	-217.20	2,530.59	0.00	0.00	0.00	0.00
11,900.00	92.63	179.889	8,919.75	-2,622.61	-217.01	2,630.34	0.00	0.00	0.00	0.00
12,000.00	92.63	179.889	8,915.16	-2,722.51	-216.81	2,730.09	0.00	0.00	0.00	0.00
12,100.00	92.63	179.889	8,910.57	-2,822.40	-216.62	2,829.84	0.00	0.00	0.00	0.00
12,200.00	92.63	179.889	8,905.98	-2,922.30	-216.43	2,929.59	0.00	0.00	0.00	0.00
12,300.00	92.63	179.889	8,901.39	-3,022.19	-216.23	3,029.34	0.00	0.00	0.00	0.00
12,400.00	92.63	179.889	8,896,80	-3,122.08	-216.04	3,129.09	0.00	0.00	0.00	0.00
12,500.00	92.63	179.889	8,892.21	-3,221.98	-215.85	3,228.84	0.00	0.00	0.00	0.00
12,600.00	92.63	179.889	8,887.63	-3,321.87	-215.65	3,328.59	0.00	0.00	0.00	0.00
12,700.00	92.63	179.889	8,883.04	-3,421.77	-215.46	3,428.34	0.00	0.00	0.00	0.00
12,800.00	92.63	179.889	8,878.45	-3,521.66	-215.27	3,528.09	0.00	0.00	0.00	0.00
12,900.00	92.63	179.889	8,873.86	-3,621.56	-215.07	3,627.84	0.00	0.00	0.00	0.00
13,000.00	92.63	179.889	8,869.27	-3,721.45	-214.88	3,727.59	0.00	0.00	0.00	0.00
13,100.00	92.63	179.889	8,864.68	-3,821.35	-214.69	3,827.34	0.00	0.00	0.00	0.00
13,200.00	92.63	179.889	8,860.09	-3,921.24	-214.49	3,927.09	0.00	0.00	0.00	0.00
13,300.00	92.63	179.889	8,855.51	-4,021.13	-214.30	4,026.84	0.00	0.00	0.00	0.00
13,397.58	92.63 h at 13397.6 f 92.63 H BHL_Tgt - 4	179.889	8,851.03 8,851.03 HL_Tgt	-4,118.60 -4,118.61	-214.11 -214.11	4,124.17 4,124.17	0.00	0.00	0.00	0.00

Plan Annotations

Measured Vertical		Local Coor	dinates	
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
8,528.18	8,502.62	449.52	-222.95	Kickoff at 8528.2 ft
9,342.98	9,023.44	-68.00	-221.95	End Build at 9343.0 ft
9,403.48	9,023.83	-128.50	-221.83	7" Casing at 9403.5 MD & 9023.9 TVD
13,397.57	8,851.03	-4,118.60	-214.11	Total Depth at 13397.6 ft

Newfield Exploration Company

Duchesne County, UT

Plan Report for 4-15-3-3WH - Plan A Rev 0 Proposed Permit ONLY

Vertical Section Information

Angle			Origin	Orig	Start	
Туре	Target	Azimuth (°)	Туре	+N/_S (ft)	+E/-W (ft)	TVD (ft)
Target	4-15-3-3WH BHL_Tgt	182.976	Slot	0.00	0.00	0.00

Survey tool program

HALLIBURTON

From	То	Survey/Plan	Survey Tool
(ft)	(ft)		
0.00	13.397.58	Plan A Rev 0 Proposed Permit ONLY	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)		Name	Casin Diamet	9	Hole Diameter (")
9.403.48	9.023.83	7"			7	8-3/4

Formation Details

Measured	Vertical					Dip
Depth	Depth	Name		Lithology	Dip	Direction
(ft)	(ft)		,		(°)	(°)
9,295.93	9,021.98	Uteland Butte C landing target			-2.63	180.000

Targets associated with this wellbore

	TVD	+N/-S	+E/-W	
Target Name	(ft)	(ft)	(ft)	Shape
4-15-3-3WH BHL_Tgt	8,850.98	-4,118.61	-214.11	Point
4-15-3-3WH CP_Tgt	9,023.98	-128.52	-221.83	Point
4-15-3-3WH Setback Lines	0.00	0.00	0.00	Polygon
4-15-3-3WH Section Lines	0.00	0.00	0.00	Polygon
4-15-3-3WH SI Tat	0.00	0.00	0.00	Point

HALLIBURTON

North Reference Sheet for Sec. 15-T3S-R3W - 4-15-3-3WH - Plan A Rev 0 Permit

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to WELL @ 5356.79ft (Original Well Elev). Northing and Easting are relative to 4-15-3-3WH

Coordinate System is US State Plane 1983, Utah Central Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)
Central Meridian is -111.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°
False Easting: 1,640,416.67ft, False Northing: 6,561,666.67ft, Scale Reduction: 0.99992227

Grid Coordinates of Well: 7,254,273.49 ft N, 1,999,120.12 ft E Geographical Coordinates of Well: 40° 13′ 40.03″ N, 110° 12′ 54.86″ W Grid Convergence at Surface is: 0.82°

Based upon Minimum Curvature type calculations, at a Measured Depth of 13,397.58ft the Bottom Hole Displacement is 4,124.17ft in the Direction of 182.98° (True).

Magnetic Convergence at surface is: -10.44° (1 November 2012, , BGGM2012)



AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT

<u>Peter Burns</u> personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

- 1. My name is <u>Peter Burns</u>. I am a Land Associate for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").
- 2. Newfield is the Operator of the proposed McKinnon 4-15-3-3WH well with a surface location to be positioned in the NWNW of Section 15, Township 3 South, Range 3 West (the "Drillsite Location"), and a bottom hole location to be positioned in the SWSW of Section 15, Township 3 South, Range 3 West, Duchesne County, Utah. The surface owner of the Drillsite Location is Charles R. McKinnon and Loraine McKinnon, Trustees of the McKinnon Family Trust, whose address is HC 64 Box 380, Duchesne, UT 84021 and Irvin W. Johnson whose address is HC 64 Box 365, Duchesne, UT 84021 ("Surface Owners").
- 3. Newfield and the Surface Owners have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated <u>August 24, 2012</u> covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

Peter Burns

ACKNOWLEDGEMENT

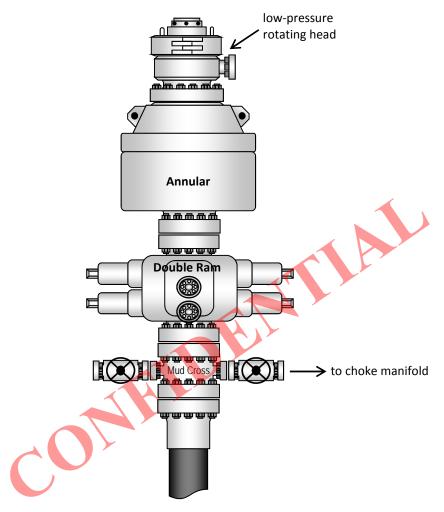
STATE OF COLORADO
COUNTY OF DENVER

Before me, a Notary Public, in and for the State, on this <u>30th</u> day of <u>August, 2012</u>, personally appeared <u>Peter Burns</u>, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that <u>he</u> executed the same as <u>his</u> own free and voluntary act and deed for the uses and purposes therein set forth.

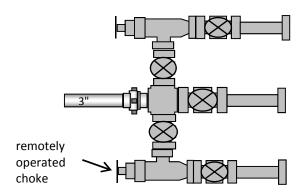
NOTARY PUBLIC

My Commission Expires:

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration





November 7, 2012

State of Utah Division of Oil, Gas & Mining ATTN: Brad Hill P O Box 145801 Salt Lake City, UT 84114

RE:

McKinnon 4-15-3-3WH Section 15, T3S, R3W Duchesne County, Utah

Dear Mr. Hill,

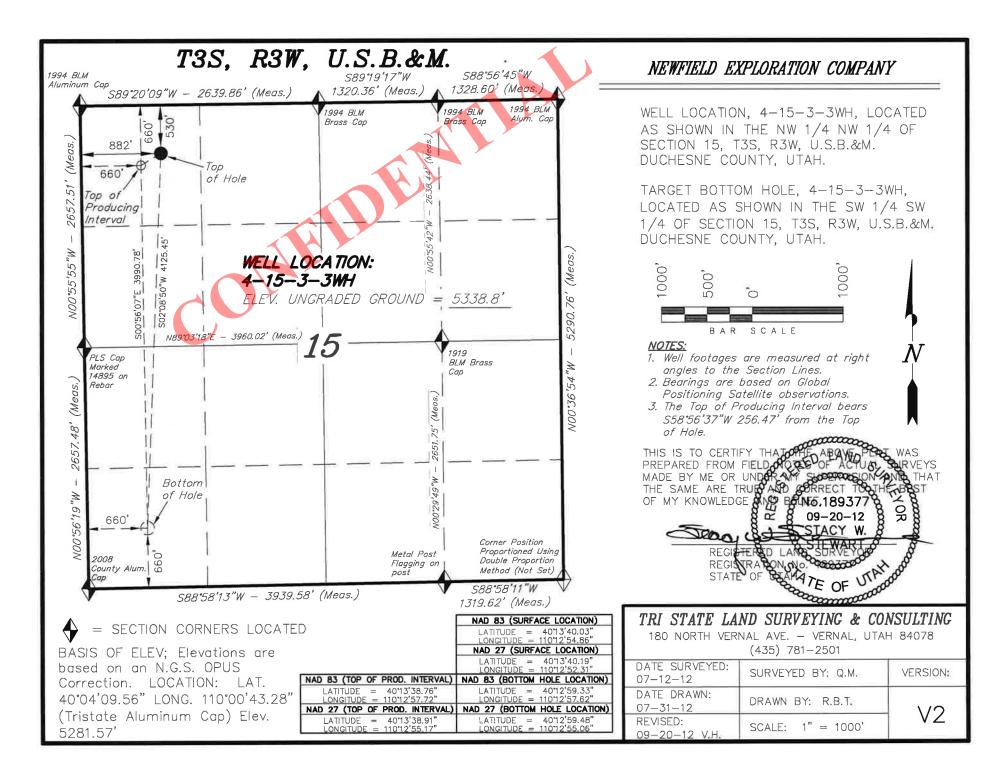
Newfield Production Company ("Newfield") proposes to drill the McKinnon 4-15-3-3WH from a surface location of 530' FNL & 882' FWL of Section 15, T3S, R3W. Newfield shall case and cement the McKinnon 4-15-3-3WH wellbore from the surface location to the point where the wellbore reaches the legal setback of 660' FNL of Section 15, T3S, R3W. The cased and cemented portion of the wellbore shall not be perforated nor produced. In the event a future recompletion into the cased and cemented portion of the wellbore is proposed, Newfield shall file the appropriate application with the State.

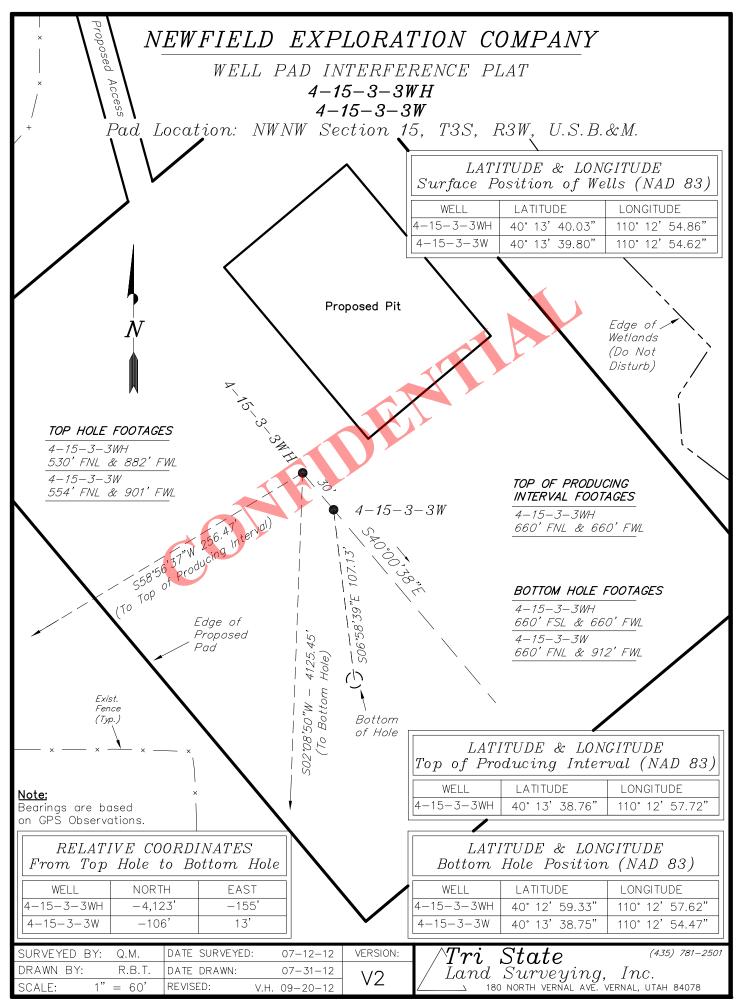
Due to these circumstances, Newfield respectfully requests that DOGM administratively grant an exception location for the McKinnon 4-15-3-3WH.

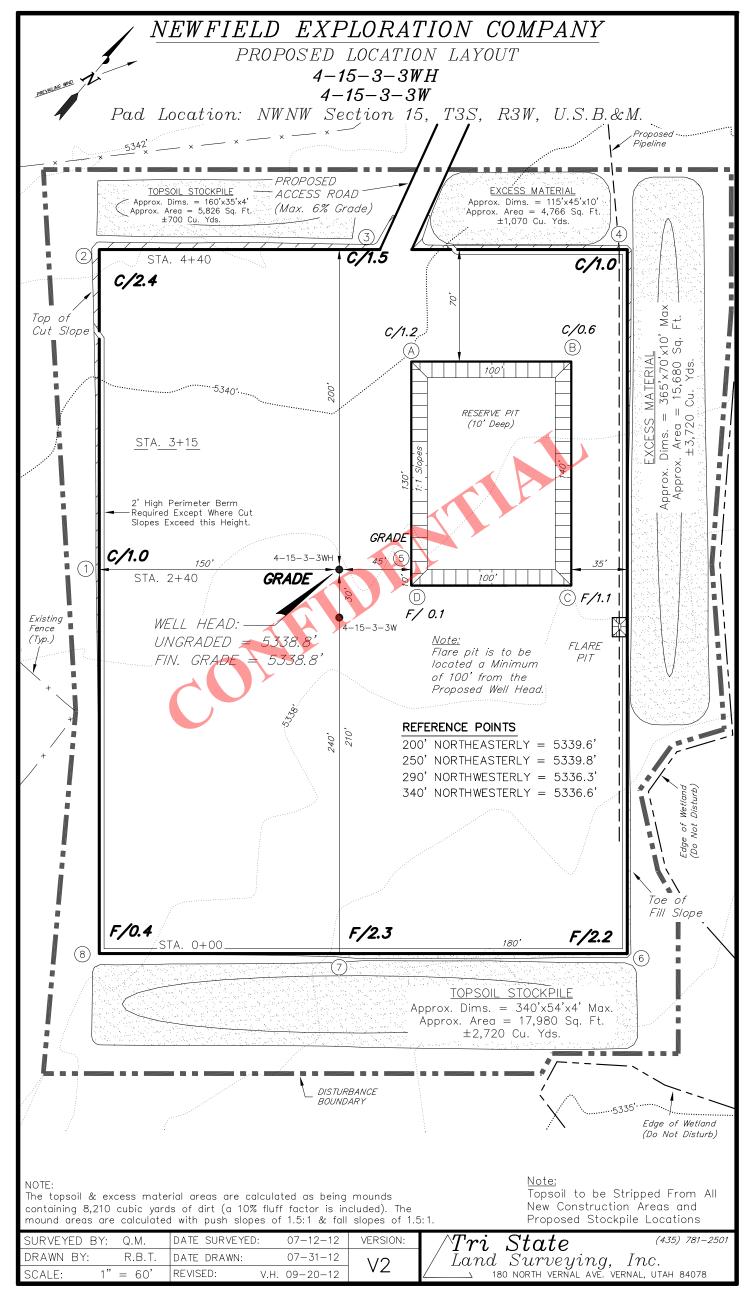
If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-383-4138 or by email at rwaller@newfield.com. Your consideration of this matter is greatly appreciated.

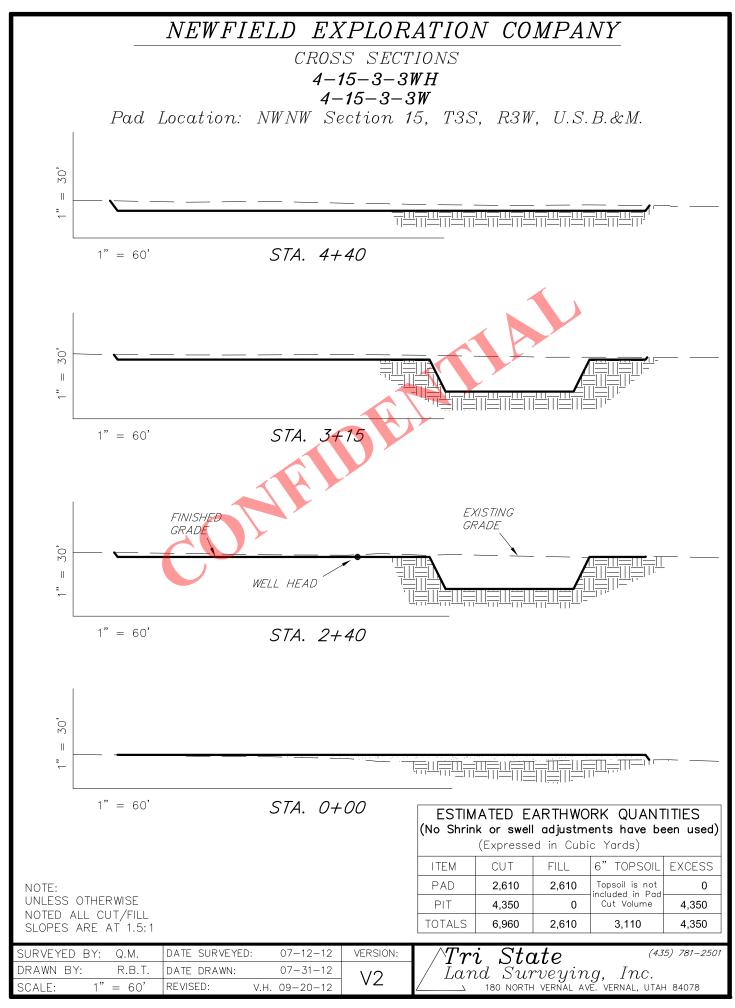
Sincerely,

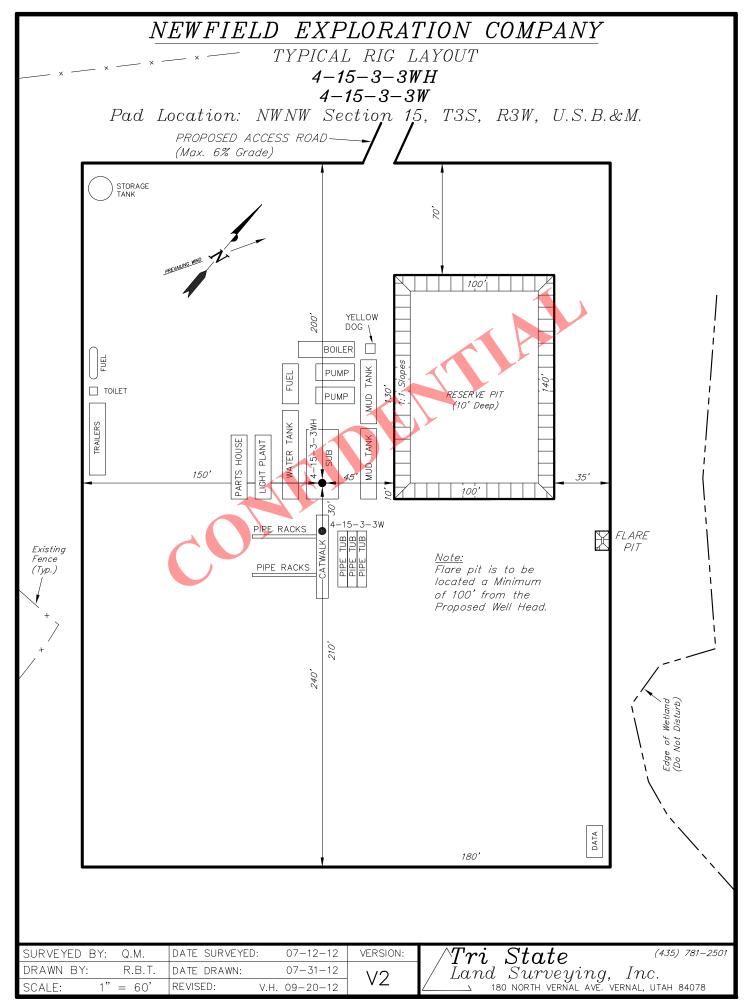
Ryan Waller Landman

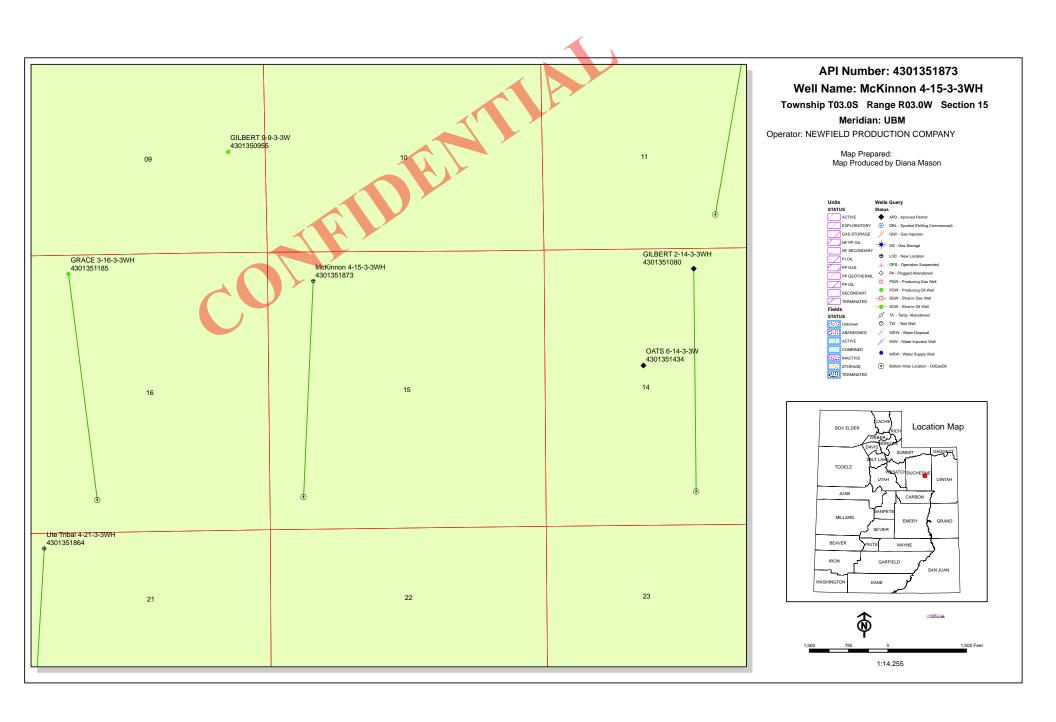








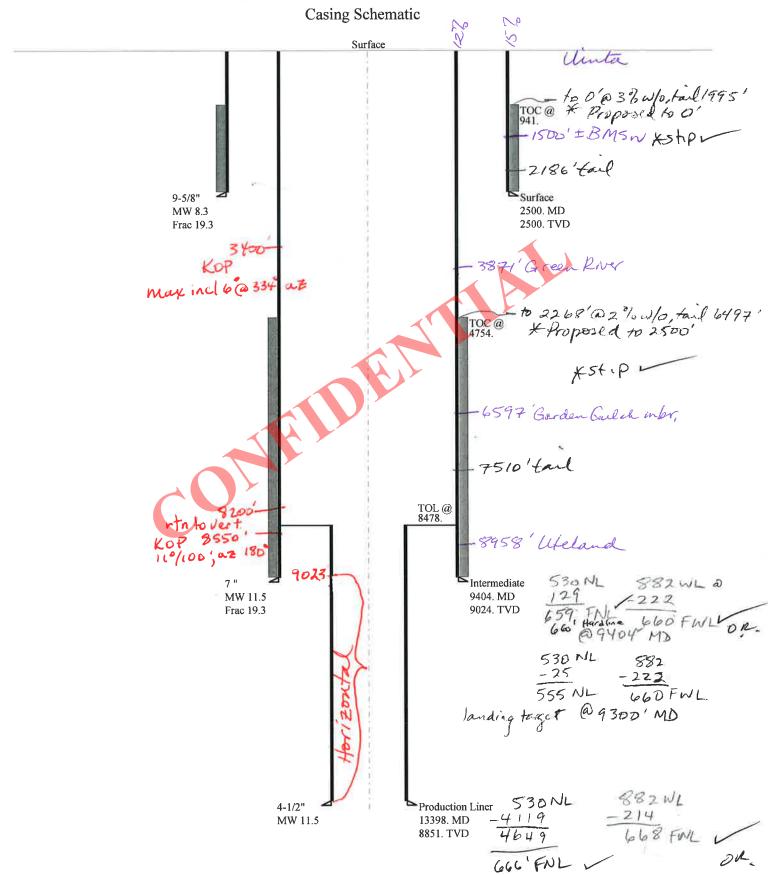




BOPE REVIEW NEWFIELD PRODUCTION COMPANY McKinnon 4-15-3-3WH 43013518730000

Well Name		NEWFIELD PRO	DUCTION COMP	ANY McKinnon 4	-15-3-3WH 43	0135 ⁻	5]
String		Cond	Surf	11	Prod		<u> </u>
Casing Size(")		14.000	9.625	7.000	4.500		<u> </u>
Setting Depth (TVD)		60	2500	9024	8851		<u> </u>
Previous Shoe Setting Dept	h (TVD)	0	60	2500	9024		<u> </u>
Max Mud Weight (ppg)		8.3	8.3	11.5	11.5		<u> </u>
BOPE Proposed (psi)		0	500	5000	5000		<u> </u>
Casing Internal Yield (psi)		1000	3520	9950	12410		<u> </u>
Operators Max Anticipated	Pressure (psi)	5063			11.0		<u>-</u>
Calculations	Cond String			14.00	ر ۵		
Max BHP (psi)			52*Setting D	enth*MW=		70	
(P))			oz semig z	optii iii ii	26	-	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	P-(0.12*Setti	ng Depth)=	19	=1,	NO I
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*Setti	ng Depth)=	13	= ;	NO I
					1		*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	oe Depth)=	13	51	NO I
Required Casing/BOPE Tes	st Pressure=				60	F	psi
*Max Pressure Allowed @	Previous Casing	Shoe=			0	Į į	psi *Assumes 1psi/ft frac gradient
		G 861				51.	
Calculations Max BHP (psi)		Surf Stri		enth*MW-	9.62	25	<u> </u>
Wax BIII (psi)	.052*Setting Depth*MW=			1079	4	BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)		Max BH	P-(0.12*Setti	ng Depth)=	779	= -	NO diverter
MASP (Gas/Mud) (psi)			P-(0.22*Setti		529	= -	NO No expected pressure
				3 11 7	1329	=' '	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	oe Depth)=	542	=1,	NO I
Required Casing/BOPE Te	st Pressure=				2464	F F	psi
*Max Pressure Allowed @	Previous Casing	Shoe=			60	I	psi *Assumes 1psi/ft frac gradient
Calculations		I1 Strin		41	7.00	00 '	<u>"</u>
Max BHP (psi)		.0	052*Setting D	eptn*M w =	5396	4	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	P-(0.12*Setti	ng Depth)=	4313	=1,	MES TEST Driving And Setting Casing at Depth.
MASP (Gas/Mud) (psi)			P-(0.22*Setti		3411	= ;	YES OK
				0 1 /	3411		*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	oe Depth)=	3961	= -	NO OK
Required Casing/BOPE Tes	st Pressure=				5000	F	psi
*Max Pressure Allowed @	Previous Casing	Shoe=			2500	I	psi *Assumes 1psi/ft frac gradient
Calculations		Prod Stri		41	4.50	00 '	<u>"</u>
Max BHP (psi)		.0	052*Setting D	eptii*W =	5293	4,	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	P-(0.12*Setti	ng Depth)=	4231	= -	MES TEST DITHING And Setting Casing at Depth:
MASP (Gas/Mud) (psi)			P-(0.22*Setti		3346	= ;	YES OK
,, (I)			,	5 1 7	12040		*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	oe Depth)=	5331	= -	YES
Required Casing/BOPE Tes	st Pressure=				5000	=' '	psi
*Max Pressure Allowed @ Previous Casing Shoe=				9024	Ī	psi *Assumes 1psi/ft frac gradient	

43013518730000 McKinnon 4-15-3-3WH



Well name:

43013518730000 McKinnon 4-15-3-3WH

Operator:

NEWFIELD PRODUCTION COMPANY

String type:

Surface

Project ID:

Location:

DUCHESNE COUNTY 43-013-51873

Design parameters:

Minimum design factors:

Environment:

Collapse

Mud weight:

Collapse: Design factor

1.125

H2S considered? Surface temperature:

Nο

Design is based on evacuated pipe.

Bottom hole temperature:

74 °F 109 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length:

100 ft

Burst:

Design factor

1.00

Cement top:

941 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

Calculated BHP

2,200 psi 0.120 psi/ft

8.330 ppg

2,500 psi

Tension:

8 Round STC:

1.80 (J) 1.70 (J)

8 Round LTC: Buttress: 1.50 (J) Premium:

Body yield:

Neutral point:

1.60 (J)

1.50 (B)

Tension is based on air weight.

2.192 ft

Re subsequent strings:

Non-directional string.

Next setting depth: 9.024 ft Next mud weight:

Next setting BHP: Fracture mud wt:

11.500 ppg 5,391 psi 19.250 ppg

Fracture depth: Injection pressure: 2,500 ft 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2500	9.625	36.00	J-55	LT&C	2500	2500	8.796	20443
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1082	2020	1.867	2500	3520	1.41	90	453	5.03 J

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: January 17,2013 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43013518730000 McKinnon 4-15-3-3WH

Operator:

NEWFIELD PRODUCTION COMPANY

Intermediate

String type:

Project ID:

Location:

DUCHESNE COUNTY 43-013-51873

Environment:

Design parameters:

Collapse

Mud weight: Internal fluid density: 11.500 ppg 1.000 ppg Minimum design factors: Collapse:

Design factor

H2S considered? Surface temperature: Bottom hole temperature:

No 74 °F 200 °F

1.40 °F/100ft Temperature gradient:

Minimum section length: 1,000 ft

<u>Burst:</u>

Design factor

1.00

1.80 (J)

1.80 (J)

1.60 (J)

1.50 (J)

1.60 (B)

1.125

Cement top:

4,754 ft

Burst

Max anticipated surface pressure:

Internal gradient: Calculated BHP

No backup mud specified.

3.406 psi 0.220 psi/ft 5,391 psi

Tension: 8 Round STC:

8 Round LTC: Buttress: Premium: Body yield:

Tension is based on air weight. 7.482 ft Neutral point:

Directional Info - Build & Hold

Kick-off point 3000 ft Departure at shoe: 257 ft Maximum dogleg: 11 °/100ft 89.63°

Inclination at shoe: Re subsequent strings:

Next setting depth: Next mud weight:

Next setting BHP: Fracture mud wt: Fracture depth: Injection pressure: 11.500 ppg 5,391 psi 19.250 ppg

9,024 ft

9,285 ft 9,285 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9404	7	26.00	P-110	Buttress	9024	9404	6.151	104582
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4922	6230	1.266	5391	9950	1.85	234.6	830.4	3.54 B

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: January 17,2013 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9024 ft, a mud weight of 11.5 ppg. An internal gradient of .052 psi/ft was used for collapse from TD Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:

43013518730000 McKinnon 4-15-3-3WH

Operator:

NEWFIELD PRODUCTION COMPANY

String type:

Production Liner

Project ID:

43-013-51873

Location:

DUCHESNE COUNTY

Design parameters:

Minimum design factors:

Environment:

Collapse

Mud weight:

Collapse: Design factor

1.125

H2S considered? Surface temperature: No 74 °F

Design is based on evacuated pipe.

Bottom hole temperature: Temperature gradient:

198 °F

1.40 °F/100ft

Burst:

Design factor

1.00

Minimum section length: 1,000 ft

Burst

Max anticipated surface

Calculated BHP

pressure: Internal gradient:

No backup mud specified.

3.340 psi

11.500 ppg

0.220 psi/ft

5,288 psi

Tension:

8 Round STC: 8 Round LTC:

Buttress: Premium:

Body yield:

Liner top:

8.851 ft Directional Info - Build & Hold

Kick-off point Departure at shoe:

Maximum dogleg:

Inclination at shoe:

3000 ft 4125 ft 11 °/100ft

92.63°

1.50 (J)

1.60 (B)

1.80 (J)

1.80 (J)

1.60 (J)

Tension is based on air weight. Neutral point: 8,909 ft

Nominal End True Vert Measured Drift Est. Run Segment Finish Depth **Diameter** Cost Length Size Weight Grade Depth Seq (ft) (in) (lbs/ft) (ft) (ft) (in) (\$) 26985 8851 13398 13.50 P-110 **Buttress** 3.795 1 4498 4.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5288	10680	2.020	5326	12410	2.33	.1	421.9	99.99 B

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: January 17,2013 Salt Lake City, Utah

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 8851 ft, a mud weight of 11.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY

Well Name McKinnon 4-15-3-3WH

API Number 43013518730000 **APD No** 7143 **Field/Unit** WILDCAT **Location: 1/4.1/4** NWNW **Sec** 15 **Tw** 3.0S **Rng** 3.0W 530 FNL 882 FWL

GPS Coord (UTM) 566761 4453335 Surface Owner Charles R. McKinnon and Loraine

McKinnon, Trustees

Participants

T. Eaton, F. Bird, C. Miller, Z. Mc Intyre, J. Henderson-Newfield; S. Wysong, J. Simonsen -BLM; D. Petty, Paul Hawks, - Tristate; Todd Sherman, Randy Freston - Outlaw Engineering; Chuck McKinnon, Ryan Harrison - Surface Owners

Regional/Local Setting & Topography

The proposed action is in the Arcadia area in Duchesne County in a river floodplain below and north of the eastern portion of the Blue Bench and Bridgeland town. The city of Duchesne can be found approximately 5 miles West with Sand Wash Reservoir 6 miles North. The area is characterized by silty clayey sandy soils with slopes < 2% surrounded by terracing and benches of several different elevations capped by sandstone cliffs over highly erodible soils consistent with river floodplain profiles. The occasional Butte can also be found. This location is planned within a summer pasture of an active farm covered with Russian Olive. The area regionally is cris-crossed with numerous canals and associated laterals from the Lake Fork and Duchesne Rivers and Lake Boreham. The area has long been used for farming and ranching operations and has recently seen increasing development for petroleum extraction.

Surface Use Plan

Current Surface Use

Agricultural

New Road Miles Well Pad Src Const Material Surface Formation

0.172022 **Width** 300 **Length** 400 Offsite UNTA

Ancillary Facilities N

Forrest committed to importing pit rrun and capping top with aggregate base course

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

High desert shrubland ecosystem surrounds the farm. Expected vegetation would then consist of black sagebrush, shadscale, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals.

Dominant vegetation;

cultivated and introduced species like Russian Olive and salt grasses. Otherwise quite barren

Wildlife;

RECEIVED: February 25, 2013

Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed at the onsite. Active Raptor Nests and dog towns were observed on location during the 2012 season. This is Burrowing Owl habitat. Disturbed soils onsite do not support habitat for wildlife.

Soil Type and Characteristics

Cultivated river bottom sediments. Fairly flat with no discernable slopes. Sodic residue suggesting high water table

Erosion Issues N

Sedimentation Issues N

Site Stability Issues Y

High water table will need to be mitigated for stability

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? N Cultural Resources? N

Reserve Pit

Site-Specific Factors	Site Ran	king	
Distance to Groundwater (feet)		20	
Distance to Surface Water (feet)	100 to 200	15	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
I	Final Score	5 5	1 Sensitivity Level

Characteristics / Requirements

A 140' x 100' x 10' deep reserve pit is planned in an area of cut on the North side of the location. A pit liner is required. Newfield commonly uses a 30 mil liner with a felt underliner because of the high water table, this will be a requirement. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. Pit to be closed within one year after drilling activities are complete.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 30 Pit Underlayment Required? Y

RECEIVED: February 25, 2013

Other Observations / Comments

NO land owner issues

Chris Jensen **Evaluator**

11/28/2012 **Date / Time**



Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7143	43013518730000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION	N COMPANY	Surface Owner-APD	Charles R. McKinn Loraine McKinnor	
Well Name	McKinnon 4-15-3-3WH	[Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	NWNW 15 3S 3W (UTM) 566761E 445	U 530 FN 3326N	L 882 FWL GPS	Coord	

Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 2,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 1,500'. Air and or fresh water will be used to drill the entire surface hole. A search of Division of Water Rights records shows 15 water wells within a 10,000 foot radius of the center of Section 15. Depth is listed as ranging from 52 to 400 feet. Depths are not listed for 4 wells. Water use is listed as irrigation, stock watering and domestic use. The nearest well is approximately 1/4 mile from the proposed location. This well is listed as 270 feet in depth. The surface formation at this site is the Uinta Formation. Wells in this area likely produce water from either the Uinta Formation or from near-surface alluvium. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement program should adequately protect ground water in this area.

Brad Hill 12/27/2012
APD Evaluator Date / Time

Surface Statement of Basis

Location is proposed in a good location although outside the spacing window typical of an horizontal well. Access road enters the pad from the South. The landowner and its representative was in attendance for the pre-site inspection.

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/pollution transport in these regional climate conditions.

Construction standards of the Operator appear to be adequate for the proposed purpose. Plans lack measures for importing materials, using a geogrid or compacting native soils to improve stability. Forrest Bird has committed to importing pit run and aggregate base coarse to mitigate the high water tableand improve stability.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A wetland area can be found adjacent the site to the East. The location was not previously surveyed for cultural and paleontological resources as the operator saw fit. I am advising an ESA consultation to be initiated to insure no disturbance to TES species that were seen (or sign of) previously.

A location berm to be adequately constructed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 30 mils (minimum) should be utilized in the reserve pit.

RECEIVED: February 25, 2013

Chris Jensen 11/28/2012
Onsite Evaluator Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	BMPs shall be used to ensure mitigation of high water table issues and to provide for pad stability.
Surface	The well site shall be bermed and constructed sufficiently to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/13/2012 API NO. ASSIGNED: 43013518730000

WELL NAME: McKinnon 4-15-3-3WH

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

LEASE TYPE: 4 - Fee

PROPOSED LOCATION: NWNW 15 030S 030W Permit Tech Review:

> SURFACE: 0530 FNL 0882 FWL Engineering Review:

> Geology Review: BOTTOM: 0660 FSL 0660 FWL

COUNTY: DUCHESNE

LATITUDE: 40.22770 **LONGITUDE:** -110.21527 **UTM SURF EASTINGS: 566761.00** NORTHINGS: 4453326.00

FIELD NAME: WILDCAT

Unit:

LOCATION AND SITING:

LEASE NUMBER: Patented PROPOSED PRODUCING FORMATION(S): UTELAND BUTTE

SURFACE OWNER: 4 - Fee **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED:

Potash

Oil Shale 190-5

✓ PLAT R649-2-3.

Bond: STATE/FEE - B001834

R649-3-2. General

Oil Shale 190-3 R649-3-3. Exception

Drilling Unit Oil Shale 190-13

Board Cause No: Cause 139-90 Water Permit: 437478

Effective Date: 5/9/2012 **RDCC Review:**

Siting: 4 Prod LGRRV-WSTC Wells **Fee Surface Agreement**

Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

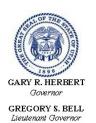
Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill

5 - Statement of Basis - bhill

12 - Cement Volume (3) - hmacdonald 25 - Surface Casing - hmacdonald

27 - Other - bhill



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: McKinnon 4-15-3-3WH

API Well Number: 43013518730000

Lease Number: Patented Surface Owner: FEE (PRIVATE)

Approval Date: 2/25/2013

Issued to:

NEWFIELD PRODUCTION COMPANY, Rt 3 Box 3630, Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-90. The expected producing formation or pool is the UTELAND BUTTE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2300' MD.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved by:

For John Rogers Associate Director, Oil & Gas Sundry Number: 60020 API Well Number: 43013518730000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: Patented
SUNDF	RY NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: McKinnon 4-15-3-3WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013518730000
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 200		PHONE NUMBER: 303 382-4443 Ext	9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0530 FNL 0882 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 15 Township: 03.0S Range: 03.0W Meri	dian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
2/26/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	l <u></u>		
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
Date or Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	L TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show a	I pertinent details including dates, o	depths, volumes, etc.
This sundry notice	is being submitted to reques		Approved by the
	APD that expires 02/25/20	15.	Wamuaryi ହିନ୍ଦି, n2011 5 Oil, Gas and Mining
			Date:
			By: Bacylll
NAME (PLEASE PRINT) Melissa Luke	PHONE NUMBE 303 323-9769	R TITLE Regulatory Technician	
SIGNATURE	<u> </u>	DATE	
N/A		1/21/2015	

Sundry Number: 60020 API Well Number: 43013518730000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013518730000

API: 43013518730000

Well Name: McKinnon 4-15-3-3WH

Location: 0530 FNL 0882 FWL QTR NWNW SEC 15 TWNP 030S RNG 030W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 2/25/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

_	
• If locat Yes 🥡	d on private land, has the ownership changed, if so, has the surface agreement been updated? 🔘 No
	/ wells been drilled in the vicinity of the proposed well which would affect the spacing or siting tents for this location? Yes No
	e been any unit or other agreements put in place that could affect the permitting or operation of this d well? 🔵 Yes 📵 No
	re been any changes to the access route including ownership, or rightof- way, which could affect the discation? 🔘 Yes 📵 No
• Has the	approved source of water for drilling changed? 🔘 Yes 📵 No
	re been any physical changes to the surface location or access route which will require a change in what was discussed at the onsite evaluation? Q Yes 📵 No
• Is bond	ng still in place, which covers this proposed well? 📵 Yes 🔘 No
Signature: N	lissa Luke Date: 1/21/2015

Title: Regulatory Technician Representing: NEWFIELD PRODUCTION COMPANY



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

March 10, 2016

JOHN R. BAZA
Division Director

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Re:

APD Rescinded - McKinnon 4-15-3-3WH, Sec. 15, T.3, R.3W,

Duchesne County, Utah API No. 43-013-51873

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on February 25, 2013. On December 18, 2013 and January 22, 2015, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the Division. Therefore, approval to drill the well is hereby rescinded, effective March 10, 2016.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

Environmental Scientist

cc:

Well File

Brad Hill, Technical Service Manager

